



Shown to particular advantage in this frontal view of the new Gloster fighter are the air brakes, flaps, and "nostril" intakes.

Meteor's Stable-mate

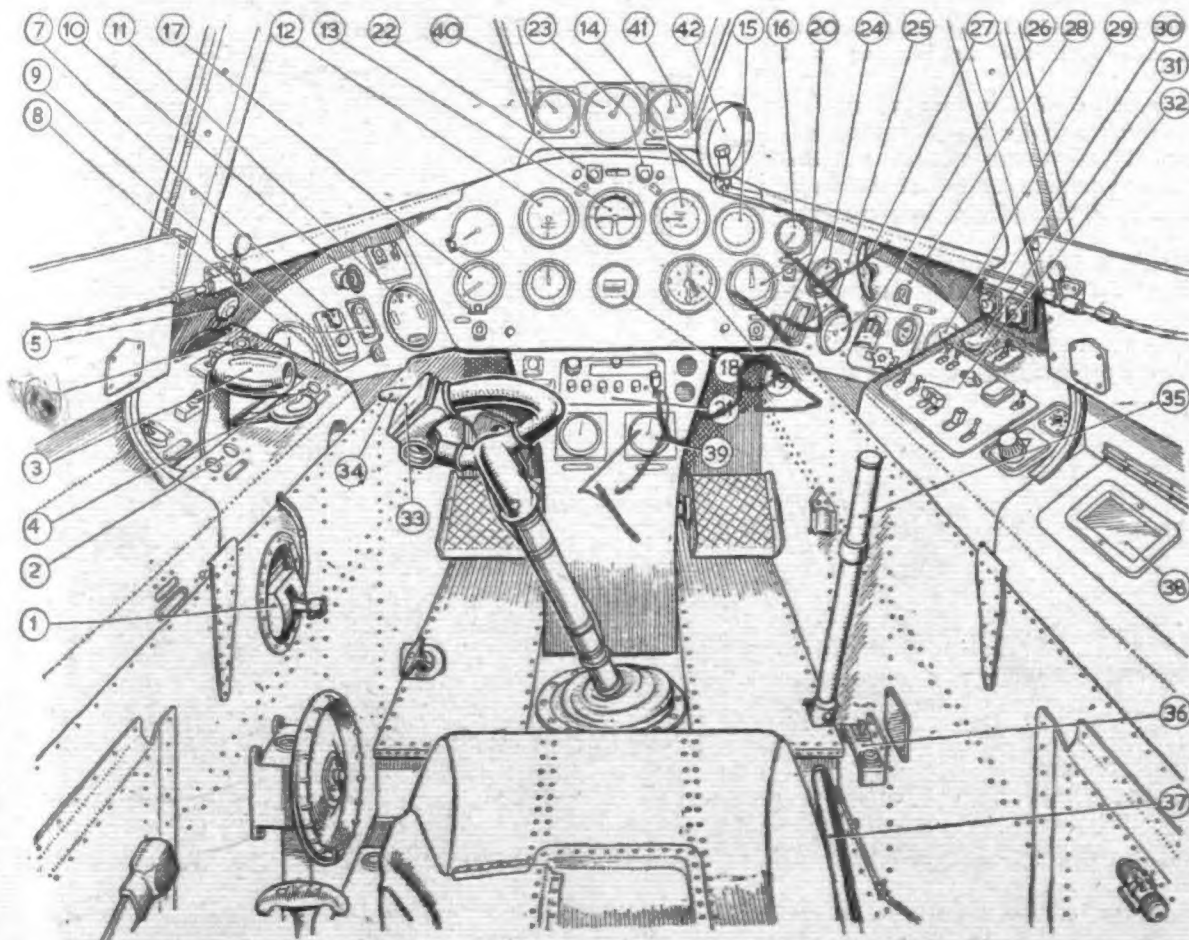
An Exposé of the Nene-powered Gloster E.1/44

BEFORE the S.B.A.C. Display last year, the news leaked out that the first prototype of a new Gloster jet fighter had met with a mishap while being delivered by road to Boscombe Down for initial trials. It was further rumoured that the machine was powered by a single Rolls-Royce Nene turbo-jet, and that it was named the Ace. Except that no name has been allotted—the type being known by its official specification number, E.1/44—these reports can now be confirmed and a detailed description becomes permissible.

The second "E.1" made its first flight some weeks

ago, at Boscombe Down, with S/L. Waterton as pilot, and has lately returned to the Gloster airfield at Moreton Valence for development flying.

That the design is far removed from the classic twin-jet Meteor formula, and that it bears a superficial resemblance to the historic E.28/29 is obvious from the photographs; but whereas the "E.28"—the first jet aircraft to fly in Great Britain—had a straight-through duct for its B.T.H.-Whittle turbo-jet, the Nene fitted to the new fighter breathes through "nostril" intakes. The fighter, of course, is a larger and much heavier machine,



PILOT'S PANORAMA

1. Flap selector. 2. Air brake selector. 3. Throttle. 4. Dive-recovery flap selector. 5. Ventilating control. 6. Re-lighting switch. 7. Undercarriage selector. 8. Undercarriage warning lamp. 9. Flap indicator. 10. Hood jettison handle. 11. Undercarriage indicator. 12. A.S.I. 13. Artificial horizon. 14. Rate of climb indicator. 15. Engine speed indicator. 16. Oil temperature gauge. 17. Machmeter. 18. Direction indicator. 19. Turn and bank indicator. 20. Exhaust temperature gauge. 21. Radio controller. 22. Engine fire warning lamp. 23. Main tank fire warning lamp. 24. Burner pressure gauge. 25. Oil pressure gauge. 26. Fuel contents gauge. 27. Undercarriage emergency release. 28. Cabin air pressure warning lamp. 29. Pressure cabin altimeter. 30. Hood operating push switches. 31. Engine fire extinguisher push switch. 32. Gun sight on/off switch. 33. "Press to transmit" switch. 34. Brake lever. 35. Hydraulic emergency hand pump. 36. Tail parachute open and jettison switches. 37. Seat adjustment lever. 38. Map case. 39. Rear bearing temperature gauge. 40. Blower delivery pressure gauge. 41. Plenum chamber pressure gauge. 42. Accelerometer.